

M-Series 4-Bay U.3 Plug-In Modules for PCIe Gen4

OGT-MU3-401E-G4, OGT-MU3-402E-G4, OGT-MU3-401L-G4, OGT-MU3-401R-G4, OGT-MU3-401R-G4, OGT-MU3-401R-G4

When installed in an OakGate expandable desktop or 3U rackmount appliance, the M-Series 4-Bay U.3 Plug-In Module for PCIe Gen4 provides a simple, flexible way to test and debug up to four NVMe solid state drives (SSDs) that use a U.3 (SFF-TA-1001) connector. One module can be installed in the front compartment of an expandable desktop, and up to two in the front left and right compartments of the 3U rackmount appliance.

The OakGate Enduro controller application and Storage Validation Framework Pro (SVF Pro) software, supplied with the appliance, can exercise each SSD individually, as well as provide built-in power cycling and power measurement capabilities.



Figure 1. 4-Bay U.3 Plug-In Module for PCIe Gen4



Figure 2. Expandable Desktop Appliance with a 4-Bay U.3 Plug-In Module Installed

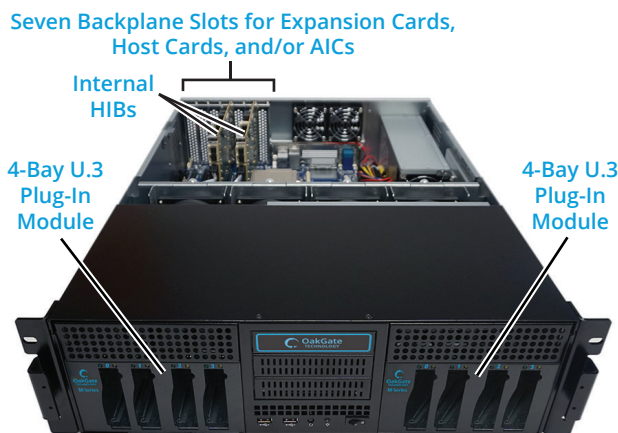





Figure 3. 3U Rackmount Appliance with Two 4-Bay Single/Dual-Port NVMe U.3 Plug-In Modules Installed

FEATURES

- PCI Express® 4.0 (PCIe Gen4) compatible
- Supported protocols include: NVMe, NVMe-MI (standard and basic)
- Ability to run unique tests on each device individually and concurrently
- Individual power cycling and power measurement under software control:
 - Configurable to support 3.3V, 5V, and 12V
 - Ability to turn power on/off to each port/device
 - Ability to measure voltage and current for each port/device (at a sample rate of approximately one read/second)
 - Ability to measure power under various low power states (at a sample rate of approximately one read/second)
- LED indicators: power (green) and activity (amber) on front of module; CPU heartbeat and dual-port PCIe on inside of module
- Allows easy access to the device diagnostic port if it is located on the front side of the module
- Simple, tool-less device replacement
- Can be installed in an existing appliance, or ordered pre-installed

4-BAY U.3 PLUG-IN MODULE TYPES

For Installation in Expandable Desktop Appliance	
	
PCIe Gen4 4-Bay Single-Port NVMe U.3 Module for installation in Expandable Desktop Appliance	
<ul style="list-style-type: none"> • Tests up to four, single-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-401E-G4
PCIe Gen4 4-Bay Dual-Port NVMe U.3 Module for installation in Expandable Desktop Appliance	
<ul style="list-style-type: none"> • Tests up to four, dual-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-402E-G4
For Installation in Left Compartment of 3U Rackmount Appliance	
	
PCIe Gen4 4-Bay Single-Port NVMe U.3 Module for installation in Left Compartment of 3U Rackmount Appliance	
<ul style="list-style-type: none"> • Tests up to four, single-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-401L-G4
PCIe Gen4 4-Bay Dual-Port NVMe U.3 Module for installation in Left Compartment of 3U Rackmount Appliance	
<ul style="list-style-type: none"> • Tests up to four, dual-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-402L-G4
For Installation in Right Compartment of 3U Rackmount Appliance	
	
PCIe Gen4 4-Bay Single-Port NVMe U.3 Module for installation in Right Compartment of 3U Rackmount Appliance	
<ul style="list-style-type: none"> • Tests up to four, single-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-401R-G4
PCIe Gen4 4-Bay Dual-Port NVMe U.3 Module for installation in Right Compartment of 3U Rackmount Appliance	
<ul style="list-style-type: none"> • Tests up to four, dual-port, U.3 drives that use a U.3 (SFF-TA-1001) connector • Includes internal HIB and cables for NVMe drive communication with the appliance • One-year hardware/software support 	OGT-MU3-402R-G4

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